

ABSTRACT

A method for establishing communications between monitoring software located on a monitoring server is disclosed. A remote server includes an SSH server application and a remote application to be accessed by the monitoring software. The address information for the remote server is obtained. A secure tunnel is established between the remote server and the monitoring server. The monitoring software generates a random host and port, which is mapped to the remote host and port such that all communications between the two servers are encrypted by the tunnel. In one embodiment, the monitoring software includes Java software adhering to the JDBC protocol for making queries to the remote application, which is a JDBC database application.